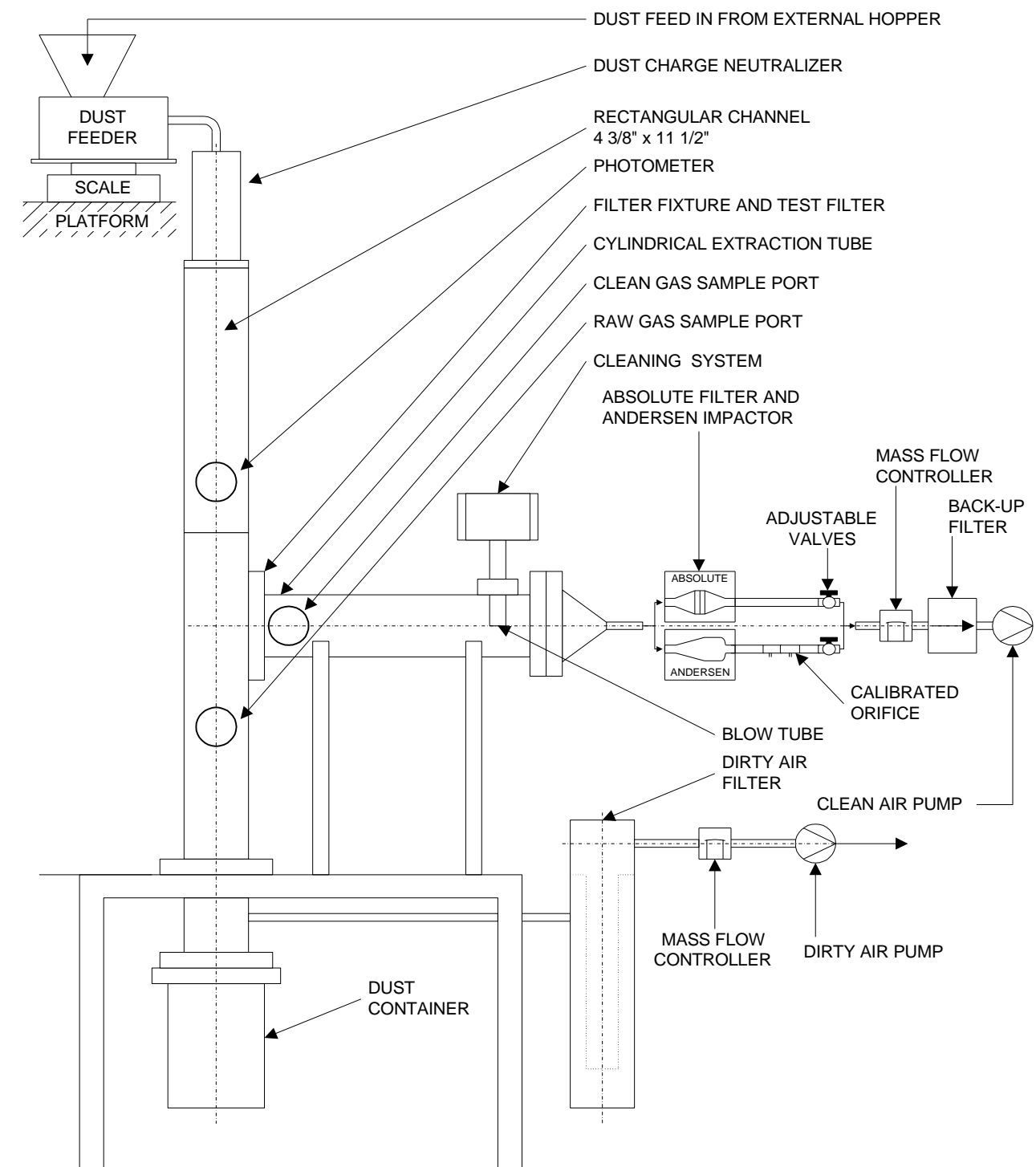




TECHNICAL ISSUES AND DECISIONS

<i>Issue</i>	<i>Decision</i>
Field or Lab Testing	Lab Testing
Test Methodology	VDI 3926
Testing of Alternative Filter Structures	Yes, Vendor Provides Adaptor
Testing of Membranes on Different Backings	Each Backing Requires Test
Reference Media Type	16 oz. Polyester
Frequency of Reference Media Control Tests	Quarterly
Non-Verification Parameters – Supplied or Tested	Supplied
When Does a Product Change Occur?	Manufacturer Change or 3 yrs.
Impactor vs. Optical Particle Counter	Impactor
Test Dust – Alumina or Limestone	Alumina
Test Cycles – 100 or 10,000+	10,000 +

DIAGRAM OF BFP TEST APPARATUS





SUMMARY ROUND 1 TESTING

<i>Parameter</i>	<i>Range of Results</i>
PM2.5 Outlet Concentration (mg/dscm)	0.002 - 0.38
Mass Outlet Concentration (mg/dscm)	0.002 - 0.42
Pressure Drop Increase (cm w.g.)	0.42 - 6.0
Average Pressure Drop (cm w.g.)	4.9 - 15.0
Fabric Mass Gain (g)	0.1 - 2.0
Cycle Time (s)	6 - 74
No. of Cycles	294 - 3,599
Total of 9 materials tested.	

Comparison with PM2.5 regulation		
<i>Expected Limit</i>	<i>Membrane</i>	<i>Non-membrane</i>
30	0.05	0.38